

《生物多样性与作物改良》

图书基本信息

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内容概要

Plant breeding during its evolution has been utilizing biodiversity for producing better crops. Nowadays everyone is concerned about saving the biodiversity. Intensive agricultural practices, climate change and Industrialization are having a straight impact on biodiversity. Use of single new improved varieties of crops for large areas is a big threat for crop biodiversity. Modern breeding approaches are also suggesting going back towards the land races and farmer ' s varieties for gene hunting for resistance to various biotic and abiotic stresses. This book includes the description about biodiversity and crop improvement. It also addresses the utilization of plant genetic resources and crop wild relatives for crop improvement through application of traditional plant breeding techniques as well as molecular and genomic approaches.

Through this multi authored book an effort has been made to assimilate the most topical results about biodiversity and crop improvement with contemporary plant breeding approaches. Eleven chapters written by leading scientists involved in crop Improvement research worldwide provide sufficient coverage of the major factors impacting utilization of biodiversity for crop improvement.

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书籍目录

FRONT MATTER

Chapter 1. Assessment of Phylogenetic Relationships among Crops and Their Genetic Resources for Successful Crop Improvement Programs

Chapter 2.

Biotechnology in the Preservation and Maintenance of Plant Genetic Diversity

Chapter 3.

The Allelic and Functional Diversity at Blast Resistance Loci in Rice Genome

Chapter 4.

Biodiversity in Conservation of Genetic Resources: Key Factor in Crop Improvement

Chapter 5.

Wild Relatives as a Repository for Genes Related to Specialized Traits

Chapter 6.

Molecular Markers: Their Role in Plant Biodiversity

Chapter 7.

Harnessing Common Bean (*Phaseolus vulgaris* L.) Genetic Resources for Resilience to Biotic and Abiotic Stress

Chapter 8.

Rice Biodiversity and Sustainable Agriculture of Lateritic Region of West Bengal (India)

Chapter 9.

Biodiversity in Oilseed Brassicas

Chapter 10. A Way towards Utilization of Plant Genetic Resources for Cereal Improvement with Special Reference to Indian Himalayas

Chapter 11. The Wild Crops Relative—*Zizania* Species: Its Genetic and Genomic Resources

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